DOCUMENT RESUME

ED 085 070 JC 740 021

AUTHOR Lucas, John A.; And Others
TITLE Survey of Need for Computer Operators, Dietetic Technicians, Cable TV Technicians and for a Crime Laboratory for Northwest Police Academy.
INSTITUTION William Rainey Harper Coll., Palatine, Ill.
REPORT NO RR-V4-N2; RR-V4-N9; RR-V4-N12; RR-V4-N16
PUB DATE 73
NOTE 36p.

EDRS PRICE MF-$0.65 HC-$3.29
DESCRIPTORS Cable Television; Community Colleges; *Community Surveys; Computer Science Education; Criminology; Curriculum Development; Dietetics; Feasibility Studies; Health Occupations Education; Institutional Research; *Manpower Needs; *Program Development; Program Planning; Regional Laboratories; Student Employment; Technical Education; *Technical Occupations; *Work Experience Programs

ABSTRACT

Surveys were conducted of community needs for three types of technicians--computer operators, diet technicians, cable TV technicians--and for a regional crime lab to serve the Chicago northwestern suburban police. The purpose of the surveys was to determine whether community needs would justify inclusion of training programs for such technicians at William Rainey Harper College. To determine the feasibility of developing a program for computer operators, 188 large firms with computer centers were surveyed. About 23 firms could provide part-time, salaried computer operator experience for 46 students; five other firms could offer experience but no salary. Next year the total market need should be 91, 18 replacements and 73 new operators. Complete survey results, comments on the proposed curriculum, and a list of companies offering work experience are provided. To assess the need for diet technicians, employment and training information was obtained from 20 hospitals. It is estimated that the need could justify 10-20 students per year, half of whom might be dietitian department employees seeking upgrading. To estimate the demand for graduates of a cable TV technician program and to estimate the number of present employees who enroll in it, 79 cable TV companies were surveyed. Results could allow an enrollment of 93 students during the first year, but an enrollment of 30-40 is recommended. Nineteen police departments responded to a survey of the need for a crime lab. Over half were interested in exploring the feasibility of submitting a grant for such a project and felt that the project could be operated on a cooperative regional basis. (KM)

FILMED FROM BEST AVAILABLE COPY

ED 085070

U S DEPARTMENT OF HEALTH,
EDUCATION & WELFARE
NATIONAL INSTITUTE OF
EDUCATION
THIS DOCUMENT HAS BEEN REPRO
DUCED EXACTLY AS RECEIVED FROM
THE PERSON OR ORGANIZATION ORIGIN
ATING IT. POINTS OF VIEW OR OPINIONS
STATED DO NOT NECESSARILY REPRE
SENT OFFICIAL NATIONAL INSTITUTE OF
EDUCATION POSITION OR POLICY

SURVEY OF NEED FOR COMPUTER OPERATORS, DIETETIC TECHNICIANS, CABLE TV TECHNICIANS, AND FOR A CRIME LABORATORY FOR NORTHWEST POLICE ACADEMY.

John A. Lucas & Others

William Rainey Harper College
Palatine, Illinois 60067
Office of Planning & Research

JC 740 021

SURVEY OF NEED FOR COMPUTER OPERATORS IN THE COMMUNITY

RESEARCH REPORT SERIES VOLUME IV, Number 2
September 15, 1972

John A. Lucas, Director and Gerald J. Mellenthin, Data Processing Coordinator

To determine the feasibility of developing a program at Harper for Computer Operators, a survey was conducted in the northwestern suburban area among 188 large firms having computer centers. There were 160 firms who responded to the survey after several follow-ups. To make conservative estimates it is assumed that all firms not responding would have no interest in Harper's Computer Operator program nor in Harper's graduates.

Results of the survey indicated:

(1) About 23 firms could provide computer operator experience for 46 students each working for an average of 22 hours per week at a small salary. Five other firms could provide work experience for five students but couldn't pay any salary.

(2) Most of the work available would be either as a computer operator or in a combination of activities.

(3) Most of these students would be supervised by either the shift supervisor or lead operator.

(4) Most use IBM or Honeywell equipment but a number of other types of equipment were also listed.

(5) Next year these firms will need 18 replacements and 73 new operators for a total market need of 91. These firms indicate they might hire about a fourth of their needs from Harper graduates. This would amount to about 23 positions.

(6) At present most firms train their own operators or hire experienced ones. Few hire graduates of private or public schools or colleges.

(7) Most firms feel there is a moderate need for computer operators.

(8) Four firms report they have 10 employees now which they would like to see enroll in the proposed program.

(9) These facts would indicate a beginning class of 30 students could be safely placed after graduation and that work experience could be provided for these students while enrolled at Harper. In future years as more companies are reached and the program proves effective, the class size might be steadily increased.

(10) For the existing computer programmer curriculum, 17 firms could provide work experiences for 21 students working an average of 20 hours per week at a small salary.

Complete survey results, comments on the proposed curriculum and a list of those companies offering work experiences follow.

RESULTS OF SURVEY

1. Centers interested in participating in a cooperative training program with Harper.

	Number
A. Could provide work experience for 46 students, each working 22 hours per week and could even pay them a small salary.	23
B. Could provide work experience for 5 students, each working 16 hours per week and would not pay them.	5
C. Not interested or are not able to participate at this time.	132
	160

2. Type of work available for these students.

	Number	Percent
A. Computer operator	8	35
B. A combination of activities	8	35
C. General clerical duties relating to computer operations	3	13
D. Other	3	13
E. I/O control	1	4
	23	100

3. Supervision of students.

A. Directly by shift supervisor	15	42
B. By a lead operator	13	36
C. By an operator	4	11
D. Other	4	11
	36	100

4. Type of computer hardware.

A. IBM	28	63
B. Honeywell	7	16
C. Burroughs	2	5
D. Other	7	16
	44	100

5. Additional needs of computer operators in the next year.

A. Number of replacements	18
B. Number of new positions	73
	91

6. Probability of hiring Harper graduates.

	Number
A. Would hire all of our new computer operators from Harper.	1
B. Might hire some of our new computer operators from Harper.	24
C. Would not hire any of our new computer operators from Harper.	1

7. Source for securing computer operators.

	Number	Percent
A. Train our own operators.	30	42
B. Hire experienced operators from other companies.	26	37
C. Hire graduates of private computer schools.	6	8
D. Hire graduates of college programs.	5	7
E. Other	4	6
	71	100

8. Need for trained computer operators.

A. Strong need	5	12
B. Moderate need	23	58
C. Very little need	7	18
D. Not sure of need	5	12
	40	100

9. Present employees you would like to have enroll in this proposed new Computer Operator program at Harper. 10

10. Suggestions or modification for proposed new program for Computer Operators.

Basic course Industrial Engineering instead of Business Organization.
Emphasize purposes and reasons for computer applications and the overall advantage of data processing.
More emphasis on the functional characteristics of the software as it relates to the operator's duties.
Make the course practical, make sure graduates understand console messages.- how to mount and dismount discs and tapes and how to make and use carriage tapes and standard and special.
Explain what labels and dates are all about. Stress that a job should not be aborted unless there is no hope. Not to be afraid to call the data processing manager or a programmer at home even in the middle of the night.
Schedule data processing courses for availability to employees of all shifts - 7 AM - 3 PM; 3 - 11 PM; 11 PM - 7 AM
Students should start in data control activity and demonstrate the ability to handle all phases of data processing below computer operator and work up to operator. Some will make it and some will not. The desire to advance, work and an average intelligence is all that is required.

11. Interest in participating in a cooperative training program with Harper by providing work experience for students while enrolled in the Computer Programmer curriculum.

	Number
A. Could provide work experience for 21 students each working 20 hours per week and could even pay them a small salary.	17
B. Could provide work experience for 2 students, each working 5 hours per week but would not pay them.	2
C. Not interested or not able to participate at this time.	28
	47

12. List of firms that would provide work for students enrolled in the Computer Operator and Computer Programmer curriculum.

Firms	Comments
A. B. Dick Company 5700 West Touhy Avenue Niles, Illinois 763-1900	Work for one student/20 hours per week, small salary
Addressograph & Multigraph Corp. 1800 West Central Road Mount Prospect, Ill. 60056 255-1900	Work for one student / 3 hours per week, small salary
American Swingline, Inc. Wilson Jones Company 6150 West Touhy Avenue Niles, Illinois 60648 774-7700	Work for two students / working 10 to 15 hours per week, small salary
Dexter Thread Mills Inc. 840 North State Street Elgin, Illinois 60120 695-6000	Work for two students / working 40 hours per week, small salary
DeSoto, Inc. 1700 South Mount Prospect Road Des Plaines, Ill. 60018 296-6611	Work for one student / working 20 hours per week, small salary
Ekco Products, Inc. 777 Wheeling Road Wheeling, Ill. 60090 537-1100	Work for students, small salary
G. D. Searle & Co. P. O. Box 5110 Chicago, Ill. 60680 463-2111	Work for some students for a small salary. about November or December. Call Ronald L. Cokain, Manager Operations

Honeywell Inc. 1500 West Dundee Road Arlington Heights, Ill. 60004 394-4000	Call personnel department.
Kitchens of Sara Lee 500 Waukegan Road Deerfield, Ill. 60015 945-2525	Work for students for a small salary. Call Bob Draths in Data Processing.
Motorola Communications Division 1301 East Algonquin Road Schaumburg, Ill. 60172 358-7900	Work for two students / working 29 hours per week for a small salary.
Procon Incorporated 111 Mount Prospect Road Des Plaines, Ill. 60016 391-3700	Work for students working four hours each on schedule 8 AM - 12 noon; 4 - 8 PM; 8 - 12 midnight; 12 - 8 AM.
Shure Brothers Inc. 222 Hartrey Avenue Evanston, Ill. 60204 743-1600	Work for two students / working 35 hours per week, small salary. Call J. D. Sargent, Data Processing Manager.
Skil Corporation 1444 South Wolf Road Wheeling, Ill. 60090 537-7100	Work for two or three students / working 10 to 20 hours per week.
Sola Electric 1717 Busse Road Elk Grove, Illinois 60007 625-8630	Work for two full time student for small salary. Call Mr. Griesmeyer, Data Processing
Standard Rate & Data Service Inc. 5201 Old Orchard Road Skokie, Ill. 60076 583-1333	Work for students, small salary. Call Rose Burmeister.
Kleinschmidt Division of S.C.M. County Line Road Deerfield, Ill. 60015 945-1000	Work for one student / 4 hours daily, small salary. Call Mr. Jack Klemmens.
Union Oil Products Co. 30 Algonquin Road Des Plaines, Ill. 60016 763-6000	Work for four students / working 29 hours weekly, small salary.
Wells Lamont Inc. 6600 Touhy Avenue Niles, Ill. 60648	Work for one student but no salary.

13. List of firms that would provide work for students enrolled only in Computer Operator.

Firms	
Austin Company 2001 Rand Road Des Plaines, Ill. 60016 774-7900	Work experience for one student, no salary.
Chicago Magnet Wire Corporation 901 Chase Avenue Elk Grove, Illinois 60007 437-5750	Work for anyone that can do Basic Hypertech Transmission Data from magnetic tapes.
Molon Motor Coil Corp. 3737 Second Avenue Rolling Meadows, Ill. 60008 259-3750	Work for two full time students. Ronald Cochrane, Data Processing.
Pioneer Press Inc. 1232 Central Avenue Wilmette, Ill. 60091 251-4300	Work for one student, small salary. Two hour per week. Ask for Data Manager.

APPENDIX

June 15, 1972

Attn: Director of Computer Services

Dear Sir:

You may be aware that Harper College is currently operating a vocational training program in Business Data Processing. The focal point of this program is the IBM System 1360 (very soon to be upgraded to System 1370), along with associate programming languages.

Other community colleges are developing new Data Processing curriculum to include the training of Computer Operators. We are also considering an expansion of our current curricular offerings to include a one semester certificate program for Computer Operators. Included in this program would be courses in Introduction to Data Processing, Introduction to Business Organization and Computer Operator Training.

The Computer Operator Training course would consist of 18 weeks of a school semester of which the first nine weeks would be Computer Operator Training at Harper. The remaining nine weeks would be a cooperative educational effort with the student receiving on the job training at an industry work station while reviewing instruction at Harper on Computer Utility programs.

This Computer Operator Certificate Program will be established, providing we establish that a need exists for this type of a program.

To help us determine the need, or lack of need, for such a program, we are asking you to complete the enclosed questionnaire and return it in the stamped, self-addressed envelope as soon as possible. Your answers and comments will be of prime importance in determining if and how this project is implemented.

If you have any questions or desire further information, please feel free to contact me.

Thank you for your cooperation.

Sincerely,

Gerald Mellenthin

Gerald Mellenthin
Curriculum Coordinator

Enclosures

William Rainey Harper College

OFFICE OF PLANNING & DEVELOPMENT

Algonquin and Roselle Roads Palatine, Illinois 60067

Nonprofit Org.
U. S. POSTAGE
PAID
Palatine, Illinois
Permit No. 54

Approximately three weeks ago the Office of Planning and Development at Harper sent you a questionnaire concerning personnel needs in the Data Processing field. Your response will help determine the demand for this type of personnel in the college district. We would appreciate it very much if you would return this questionnaire to our office. If you have misplaced this questionnaire, please call 359-4200, ext. 263 and we will be glad to send another. Thanks.

Gerald Mellenthin

Gerald Mellenthin
Curriculum Coordinator

SURVEY OF COMPUTER SERVICE CENTERS

Harper College is considering developing a credit program for Computer Operators as described in the enclosed brochure. If such a program were developed, how would your company respond in the following areas?

1. Would your center be interested in participating in a cooperative training program with Harper by providing work experience for students while they are in the program? It is understood you could use them on any shift that would be convenient to you. Check (✓) one.

   _____ A. Yes, we could provide work experience for _____ students, each working _____ hours per week and we could even pay them a small salary.

   _____ B. Yes, we could provide work experience for _____ students, each working _____ hours per week and we would not pay them.

   _____ C. No, we are not interested or are not able to participate at this time.

2. Which type of work would be available for these students? Check (✓) one.

   _____ A. Computer Operator

   _____ B. Tape Librarian

   _____ C. I/O Control

   _____ D. General clerical duties relating to computer operations

   _____ E. A combination of activities above

   _____ F. Other (specify) _____

3. How would these students be supervised at your center? Check (✓) one.

   _____ A. Directly by shift supervisor

   _____ B. By a lead operator

   _____ C. By an operator

   _____ D. Other (specify) _____

4. What type of Computer hardware does your center have? Check (✓) one.

   _____ A. IBM

   _____ B. UNIVAC

   _____ C. Honeywell

   _____ D. GE

   _____ E. Burroughs

   _____ F. Other (specify) _____

5. How many additional Computer Operators do you plan to hire during the next year?

Number of replacements	Number of new positions
_____	_____
_____	_____

6. What is the probability that you would hire graduates of Harper's program if it were in operation at present? Check (✓) one.

_____ A. Would hire all of our new Computer Operators from Harper.

_____ B. Would hire about half of our new Computer Operators from Harper.

_____ C. Might hire some of our new Computer Operators from Harper.

_____ D. Would not hire any of our new Computer Operators from Harper.

7. From which source do you now secure Computer Operators? Check (✓) all those that apply.

_____ A. We train our own operators.

_____ B. We hire experienced operators from other companies.

_____ C. We hire graduates of private computer schools.

_____ D. We hire graduates of college programs.

_____ E. Other (specify) _____

8. What kind of need exists for trained Computer Operators in this area? Check (✓) one.

_____ A. A strong need.

_____ B. A moderate need.

_____ C. Very little need.

_____ D. Not sure of need.

9. How many employees do you have now who you would like to see go through this proposed new Computer Operator program at Harper?

_____

10. Please list any suggestions or modifications you would like to see in the proposed new program for Computer Operators.

_____

_____

_____

_____

COMPUTER PROGRAMMERS

Harper College already has an ongoing credit curriculum for Computer Programmers which is described in the enclosed brochure.

11. Would your center be interested in participating in a cooperative training program with Harper by providing work experience for students while they are in the program? Check (✓) one.

    ____ A. Yes, we could provide work experience for _____ students each working _____ hours per week and we could even pay them a small salary.

    _____ B. Yes, we could provide work experiences for _____ students, each working _____ hours per week but we would not pay them.

    _____ C. No, we are not interested or not able to participate at this time.

SURVEY OF NEED FOR DIETETIC TECHNICIANS

RESEARCH REPORT SERIES VOLUME IV, No. 9
January 8, 1973

John A. Lucas, Director and Mary Lou Flanigan, Practical Nursing Coordinator

To assess the need for dietetic technicians, 20 hospitals in the north, west and northwest suburban area were called. They ranged in size from 22 patients per day to 1,638 patients per day. Employment and training information concerning the dietetic department were obtained from the head dietitian.

In looking at the number of hospitals interested in Harper's proposed program and the turnover rate in these dietetic departments, it is estimated the need from these hospitals could justify 10-20 students per year. Half of these students might already be employed in dietetic departments and would be seeking upgrading.

ANALYSIS OF NEED FOR DIETETIC TECHNICIANS

Twenty hospitals were called in the west, northwest and north suburban area

Patient Load

Number of Patients	Number
22 - 43	2
120 - 150	2
200 - 220	3
290 - 400	7
450 - 525	5
1638	1
	20

372 average load

Dietetic Department Employment

Employees	FT	PT	Total
Dieticians	71	20	91
Dietetic assistants	105	10	115
Total	176	30	206

Dietetic Department Employment Turnover

14 hospitals reported turnover of 49% over two year period

6 hospitals couldn't answer

Desire For Assistants with Two Years of Nurtitional Care Training

	Number
Interested	10
Might be interested	1
Not interested	5
No answer	4
	20

Training Offered Dietetic Assistants in Last Year

	Number
Offer on the job training only (4 hospitals reported training 15 persons)	13
Developing program with a college	2
Offer no training	5
	20

Hospitals Who Have Dietetic Assistants
Who They Could Refer For Further Update Training

	Number
Hospitals who would refer dietetic assistants for more training	11
Hospitals who would not	5
Hospitals not answering	4
	20

Probability of Utilizing Dietitians Better
If Dietetic Technicians Were Available

	Number
Hospitals who were positive about better utilization	12
Hospitals who were unsure	1
Hospitals who were negative	3
No answer	4
	20

Utilization of Graduates from Harper's Proposed
Dietetic Technician Program

	Number
Following hospitals estimated using four graduates next year	3
Hospitals would use graduates if they had any openings	11
Hospitals might use graduates	3
Hospital didn't answer	3
	20

DIETETIC TECHNICIAN CURRICULUM
LEADING TO COMPETENCY IN NUTRITION CARE

FIRST YEAR

FIRST SEMESTER

**FSM-111 Introduction to Food Service	2
DIT-101 Basic Nutrition	3
BIO-100 Human Biology	4
SOC-101 Introduction to Sociology	3
**FSM-114 Food Standards and Sanitation	3
DIT-100 Dietetic Practicum	1
	16

SECOND SEMESTER

DIT-102 Advanced Nutrition	3
BIO-102 Pathlogy	3
**FSM-212 Food Service Supervision	4
PSY-101 Introduction to Psychology	3
DIT-150 Dietetic Practicum	3
	16

SECOND YEAR

FIRST SEMESTER

DIT-201 Nutrition Care	3
ENGLISH ELECTIVE	3
SPE-101 Fundamentals of Speech	3
**FSM-215 Layout and Design	3
DIT-200 Dietetic Practicum	4
	16

SECOND SEMESTER

DIT-202 Nutrition Care Seminar	2
DIT-203 Dietetic Seminar	1
ENG-103 Report Writing	3
PSY-145 Psychology in Business & Industry	3
SOC-215 Group Dynamics	3
DIT-250 Dietetic Practicum	4
	16

**These courses are common to the Dietetic Technician Program, leading to competency in Food Management. (Also in the planning stage.)

APPENDIX

TELEPHONE SURVEY

My name is_____and I am conducting a telephone survey on behalf of Harper College in Palatine, Illinois.

Harper College is presently exploring the possibility of offering a program for Dietetic Technicians, and we would like to determine a local need for this level of health practitioner.

1. How many persons do you have working in your dietary department at present? Number_____

2. How many are dieticians?_____

3. How many are dietary workers (assisting the dietitian)?_____

4. What is your average daily patient census?_____

5. What has the turnover of dietary workers been in the last two (2) years in your facility?_____

6. Would you desire someone with nutrition care training to assist in your dietary department? Yes_____No_____Maybe_____

7. Are you presently offering your own training for supportive dietary personnel to aid the dietitian? Yes_____No_____
   Number of persons per year_____

8. Are there any persons in your department that you could refer for further (UPDATE) training? Yes_____No_____

9. Could you utilize your dietitian better if you had this level of dietary worker? Yes_____No_____Maybe_____

10. If Harper College provided a training program (one year or two years in length) would you hire graduates from this program? Yes_____No_____Maybe_____
    Number of graduates needed in next year (June 1974)_____

11. If you feel that there is a need for a Dietetic Technician Program at Harper College, would you send a letter in support of this program? Yes_____No_____

Name of Facility_____

Telephone Number_____

Address_____

_____

DIETARY PERSON Contacted_____, Title_____

(Preferably Dietitian)

SURVEY OF NEED FOR CABLE TV TECHNICIANS

RESEARCH REPORT VOL. IV, number 16
June 5, 1973

John A. Lucas, Director

In order to determine if there was a need for a cable TV technicians program, a survey was sent to 79 cable TV companies in Illinois and Indiana. The purpose of the survey was to estimate the demand for graduates of the program and to estimate the number of present employees who would enroll in the proposed program. Surveys were returned from 29 of the 79 companies for a 37 percent response rate. It is assumed that the non-respondents are not interested in Harper's proposed cable TV technician program.

Results of the survey showed 17 of the 29 respondents could use 56 graduates and would place 37 present employees in the program in the next year. This would possibly allow a total enrollment of 93 students during the first year. However, to avoid saturating the market in the first year, it might be better to start with about 30-40 students. Also, it should be noted even though these companies would absorb 56 graduates, there is no assurance that 56 students could be found to enroll in the program. All of the respondents felt the proposed program was a good idea and most said they would cooperate with Harper in the development of the program.

Twelve respondents failed to support or estimate enrollment for the program for a number of reasons. Some companies were too small, others wanted to explore the program in more depth before committing themselves; still others could not estimate numbers; while another group expected access to other training resources.

The complete results follow.

Reasons for No Expressed Demand
by 12 Other Respondents

Reasons	No.
Too Small or static growth	4
Need to explore program in greater depth first	3
Were impressed but could not estimate demand	2
Indiana Vocational Tech. may start program in their area	1
Already have training program of their own	1
No reason	1
	12

Number of companies stating the program was a good idea	28
Number stating it was a bad idea	0

Companies who will cooperate with Harper	20
Companies who might cooperate with Harper	2
Companies who could not cooperate with Harper	1

MARKET DEMAND FOR A PROGRAM FOR CABLE TV TECHNICIANS AS EXPRESSED BY 17 COMPANIES

Type of Technicians	Full-Time	Part-Time	Part-Time Day	Part-Time Evening	FT Alternating Semesters	Total
Installers	21	2	1	7	1	32
Line Technicians	19	0	7	9	0	35
Shop Technicians	7.5	1	0	1	1	10.5
Chief Technicians	5.5	0	3	6	1	15.5
Total	53	3	11	23	3	93

APPENDIX

William Rainey Harper College
Algonquin and Roselle Roads • Palatine Illinois 60067 • (312) 359-4200

April 4, 1973

William Rainey Harper College presently has a strong electronics program and a large T.V. production system with F.R. distribution. We are now seriously investigating the possibility of beginning a C.A.T.V. technician training program. The students would be trained in the electronics labs with practical experience in the on-campus R.F. system. They would graduate with an Associate Degree. Their training would encompass: electronic theory, electronic lab training, and courses and training designed specifically for the C.A.T.V. industry.

We are investigating the possibility of different training programs for people you may want to hire or have presently employed, as well as the typical high school graduate that enters such a profession. Harper College is also investigating the idea of training people in steps of proficiency to meet specific technical needs of the firm employing them.

A Steering Committee, made up of owners and managers of systems in this area, is assisting us in the development of curriculum and providing valuable advise on what directions to take. We are asking you to answer the enclosed questionnaire in order for Harper to determine the feasibility of beginning such a program. A stamped, self-addressed envelop is enclosed for your convenience. If you have any suggestions, feel free to jot them on the back of the questionnaire.

Thank you for your assistance.

Sincerely,

Robert B. Cormack

Robert B. Cormack
Dean of Career Programs

Enclosure

SURVEY OF NEED FOR C.A.T.V. TECHNICIANS

1. What would your reaction be to Harper College developing a program for the training of C.A.T.V. technicians?

_____ Good idea _____ Bad idea _____ no opinion

2. If Harper had a training program for C.A.T.V. technicians, how many would you hire in a years time?

	Full Time	Part Time
Installers	_____	_____
Line technicians	_____	_____
Shop technicians	_____	_____
Chief technicians	_____	_____
TOTAL	_____	_____

3. Would you be willing to hire a man for a semester and release him for the next semester and continue to alternate him with another individual until he had completed his training?

_____ Yes _____ Maybe _____ No

After completion of education, would you hire those people on a full-time basis.

_____ Yes _____ Maybe _____ No

4. If Harper had a training program for C.A.T.V. technicians, how many of your present employees would you encourage to enroll in Harper's program.

	Part-time One day per week	Part-time evening	Full-time on alternating semester basis
Installers	_____	_____	_____
Line technicians	_____	_____	_____
Shop technicians	_____	_____	_____
Chief technicians	_____	_____	_____

5. If the results of this survey indicate sufficient manpower need and adequate numbers of students, would your company be willing to cooperate with William Rainey Harper College?

_____ Yes _____ No

Authorizing Agent (Name) _____

(Position) _____

(Company) _____

SURVEY OF NEED FOR CRIME LABORATORY FOR NORTHWEST POLICE ACADEMY

RESEARCH REPORT SERIES, Number 12
March 15, 1973

Paul H. Moore, Coordinator, Criminal Justice and John A. Lucas, Director

SURVEY OF NEED FOR CRIME LABORATORY IN
CHICAGO NORTHWESTERN SUBURBAN AREA

Nineteen departments responded to survey
One not solicited (Wheeling)

	Total	Those Interested
I. Size of department		
A. Number of sworn police officers	728	627
B. Number of police specialists		
1. Detective	65	59
2. Photographer	49	43
3. I.D. identifications specialists	20	18
4. Juvenile specialist	52	49
5. Traffic specialist	41	36
6. Evidence technician	13	13

II. Interest in a Regional Crime Laboratory that would serve the northwest suburban police.

	Number	Percent
A. We would be interested in exploring the feasibility of submitting a grant for such a project.	11	55.0
B. The project could be successfully operated on a co-operative inner-governmental regional basis.	11	55.0
C. The project should not be considered. Existing crime laboratory facilities should be better used.	2	10.0

Center of interested departments is along Arlington Heights road between Central and Golf roads.

III. Incidence of crimes and useage of crime laboratory facilities. These are incidents occurring in the past year (1972). Interested departments only.

Crime	Number offenses investigated	Number of times crime laboratory used	Number of times crime lab would have been used if one was in area under direction of local police agencies	Number of times crime lab would have been used if a complete mobile crime investigative unit were available manned by fully trained suburban police specialists
Larceny	6,478	224	532	387
Burglary	2,279	337	753	698
Suspicion	1,353	12	10	10
Offenses against family & children	1,256	52	52	126
Hit & run accidents	850	75	238	222
Auto theft	700	25	105	77
Assault	646	14	30	29
Driving under the influence	658	134	70	62+
Narcotic & drug laws	633	417	410	244
Fraud	381	20	62	36
Liquor laws	365	33	122	127
Sex offenses (except rape & prostitution)	272	14	30	22
Drunkenness	226	15	15	15
Forgery & counterfeiting	234	19	130	77
Weapons	110	41	80	38
Arson	89	17	17	12
Robbery	82	11	36	36
Suicide	71	2	2	6
Stolen property	61	6	6	10
Rape	15	10	11	2
Manslaughter	0	1	0	0
Gambling	9	0	0	0
Criminal homicide	8	9	2	2
Prostitution & commercialized vice	4	0	0	0
Embezzlement	14	1	1	0
All other offenses (except traffic)	1,407+	1	6	8
TOTAL	18,211	1,595	2,720	2,246

Northbrook, Deerfield did not report

	Percent	Interested Departments	Percent	Total Departments
IV. Number of times during the past year the crime laboratory facilities were used by the department.				
A. City of Chicago crime laboratory	49.1	606	52.1	735
B. Northern Illinois police crime laboratory	31.9	393	31.3	442
C. State of Illinois crime laborabory, Joliet, Illinois	14.9	184	13.0	184
D. FBI crime laboratory, Washington, D. C.	4.0	50	3.5	50
E. Hospital	.1	1	.1	1
	100.0	1,234	100.0	1,412
V. Evaluation of the services of these crime laboratories.				
A. The service is, in general, satisfactory	66.7	18	20.0	14
B. The response time is too long or too inconsistent	44.4	8	35.0	7
C. The services are too expensive	22.2	4	25.0	5
D. Too far away	16.7	3	15.0	3
E. It is too inconvenient to use crime lab results in court	5.6	1	5.0	1
F. Too much red tape and effort is required to process requests for crime lab service	5.6	1	5.0	1
G. We don't have trained investigators to collect specimens at the scene of a crime to send to a crime lab	0	0	0	0
VI. Average cost of crime lab facilities per department in the last year.		$		$ 1,107
VII. Description of evidence room at station				
A. Inadequate	55.5	10	52.6	10
(too small - 9; lack of security - 3; no testing facilities - 1)	55.5	10	**50.0**	10
B. Adequate for our needs	**44.5**	8	50.0	10
	100.0	18	100.0	20

	Percent	Interested Departments	Percent	Total Departments
VIII. Auxiliary functions and policies that department would support if there was a crime laboratory established at a central location for the northwest suburbs.				
A. Mobile crime laboratories to assist in crime scene investigation	100.0	16	89.5	17
B. Training programs for investigations at the scene of crime	100.0	16	79.0	16
C. Mobile crime vehicles manned by and supported by inner-governmental efforts of police agencies in the northwest suburbs and the state	87.5	14	73.7	14
D. Mobile crime laboratories to transport evidence from the crime scene to the crime lab	68.8	11	57.9	11
E. Centralized evidence storage	31.3	6	26.3	5

IX. Comments

Deerfield is member of NICL - cost per job is extremely high. Membership charge is based on population and allows unlimited use and this is wasteful. Charge should be on piece rate thus analyses not needed would not be carried out.

Bartlett is small. They need crime lab technicians and crime lab within a short distance. Chicago is too far away.

Elk Grove has own photography, fingerprint, government facilities used for narcotics, I.D. handwriting, toolmarks, ballistics and other chemical analysis. Need local facility. Feel centralized evidence storage is unrealistic.

Crystal Lake would like mobile polygraph service.

X. Departments interested in future mailing list of information and literature dealing with the crime laboratory project in the northwest suburbs.

Steamwood
Elmhurst
Palatine
Arlington Heights
*Northbrook
*Deerfield
Rolling Meadows
Hanover Park
Schaumburg
Rosemont
Mt. Prospect
Bartlett
Park Ridge
Elk Grove
Barrington Hills
Crystal Lake
Hoffman Estates
Buffalo Grove
**Des Plaines
**Barrington

*did not answer the table on item III

**not interested in crime lab

All want to remain on mailing list for project.

APPENDIX

SURVEY OF NEED FOR CRIME LABORATORY IN
CHICAGO NORTHWESTERN SUBURBAN AREA

Name of Department _____

I. Size of department

A. Number of sworn police officers _____
B. Number of police specialists
1. Detectives _____
2. Photographer _____
3. I. D. identification specialist _____
4. Juvenile specialist _____
5. Traffic specialist _____
6. Evidence Technicians _____

II. What is your interest in a Regional Crime Laboratory to serve the northwest suburban police? Check (✓) those appropriate.

____ A. We would be interested in exploring the feasibility of submitting a grant for such a project
____ B. The project could be successfully operated on a co-operative inner-governmental regional basis
____ C. The project should not be considered. Existing crime laboratory facilities should be better used

III. Incidence of crimes and useage of crime laboratory facilities
Assign the appropriate number in each column across from each crime
All questions deal with incidents occurring in the past year (1972)

Crime	Number offenses Investigated	Number of times crime laboratory used	Number of times crime lab would have been used if one was in area under direction of local police agencies	Number of times crime lab would have been used if a complete mobile crime investigative unit were available manned by fully trained suburban police specialists
Criminal homicide				
Suicide				
Manslaughter				
Rape				
Robbery				
Assault				
Burglary				
Larceny				
Auto Theft				
Arson				
Forgery & counterfeiting				
Fraud				
Embezzlement				
Stolen property				
Weapons				
Prostitution & commercialized vice				
Sex offenses (except rape & prostitution)				
Narcotic & drug laws				
Gambling				
Offenses against family & children				
Driving under the influence				
Liquor laws				
Drunkenness				
Suspicion				
Hit & run accidents				
All other offenses (except traffic)				

IV. How many times during the past year were the following crime laboratory facilities used by your department. Indicate the number on each blank.

_____ A. City of Chicago crime laboratory
_____ B. State of Illinois crime laboratory, Joliet, Illinois
_____ C. FBI crime laboratory, Washington, D.C.
_____ D. Northern Illinois police crime laboratory

V. How would you evaluate the services of these crime laboratories? Check (✓) all thos appropriate

_____ A. The service is in general satisfactory
_____ B. The services are too expensive
_____ C. We don't have trained investigators to collect specimens at the scene of a crime to send to a crime lab
_____ D. The response time is too long or too inconsistent
_____ E. It is too inconvenient to use crime lab results in court
_____ F. Too much red tape and effort is required to process requests for crime lab service
_____ G. Other comments (specify) _____

_____

VI. What was the cost of crime lab facilities to your department in the last year? _____

VII. How would you describe your evidence room at your station? Check (✓) one

_____ A. Adequate for our needs
_____ B. Inadequate (describe main problem)

_____

_____ C. Non-existent-use evidence room of another department

VIII. If there was a crime laboratory established at a central location for the northwest suburbs, check those auxiliary functions and policies your department would support.

_____ A. Centralized evidence storage
_____ B. Training programs for investigations at the scene of crimes
_____ C. Mobile crime laboratories to assist in crime scene investigation
_____ D. Mobile crime laboratories to transport evidence from the crime scene to the crime lab
_____ E. Mobile crime vehicles manned by and supported by inner-governmental efforts of police agencies in the northwest suburbs and the State

XI. Add any other comments you would like to make on the crime laboratory project.

_____

_____

_____

_____

_____

_____

_____

X. Would your department like to be on the future mailing list of information and literature dealing with the crime laboratory project in the northwest suburbs?

_____ Yes

_____ No

UNIVERSITY OF CALIF.
LOS ANGELES

JAN 18 1974

CLEARINGHOUSE FOR
JUNIOR COLLEGE
INFORMATION